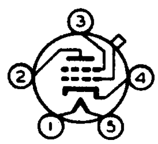
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SCREEN GRID R-F AMPLIFIER

Heater	Coated Unipotential Cathode	
Voltage	2.5	a-c or d-c volts
Current	1.75	amp.
Direct Interelectrode Capacitances:		
Grid to Plate	0.007 max.°	μμf
Input	5.3	μμf
Output	10.5	μμf
Overall Length		4-25/32" to 5-1/32"
Maximum Diameter		1-13/16"
Bulb		ST-14
Cap		Small Metal
Base		Medium 5-Pin
Pin 1 - Heater		Pin 4 - Cathode
Pin 2 - Plate		Pin 5 - Heater
Pin 3 - Screen		Cap - Grid
Mounting Position	BOTTOM VIEW	Any ←



BOTTOM VIEW

AMPLIFIER - Class A_1

Operating Conditions and Characteristics:

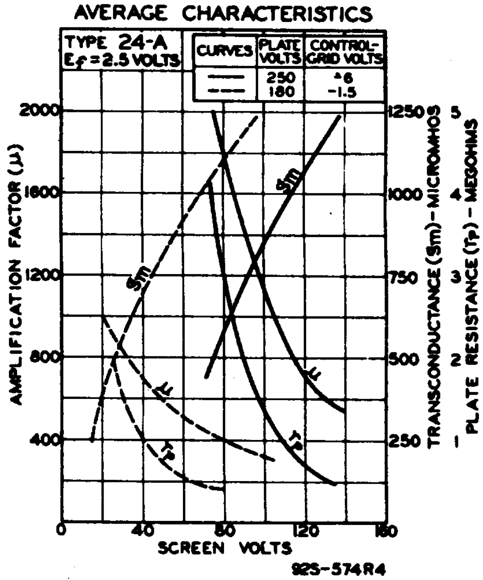
Heater*	2.5	2.5	volts
Plate	180	250□	volts
Screen	90	90	max. volts
Grid	-3	-3	volts
Amp. Fact.	400	630	
Plate Res.	400000	600000	ohms
Transcond.	1000	1050	μmhos
Plate Cur.	4	4	ma.
Screen Cur.	1.7	1.7	max. ma.

DETECTOR

Typical Operation:	*Biased*	*Grid-Leak*	
Heater*	2.5	2.5	volts
Plate	250□	180 max.	volts
Screen	20 to 45	20 to 45	volts
Grid	-5 approx.	Return to Cathode▼	volts
Plate Load	0.25△	0.25△	megohm
Plate Cur.	Adjusted to 0.1 ma. with no input signal■	-	

□ Max. plate volts = 275.
▼ Conventional grid leak and condenser.
△ Or 500 h. choke shunted by 0.25 megohm. For resistance load, plate-supply voltage will be voltage at plate plus voltage drop in load caused by specified plate current.
° With shield-can.
■ Average plate current with normal maximum signal should be limited to 4.0 ma., as measured with a d-c meter.
* In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
← Indicates a change.

AVERAGE CHARACTERISTICS

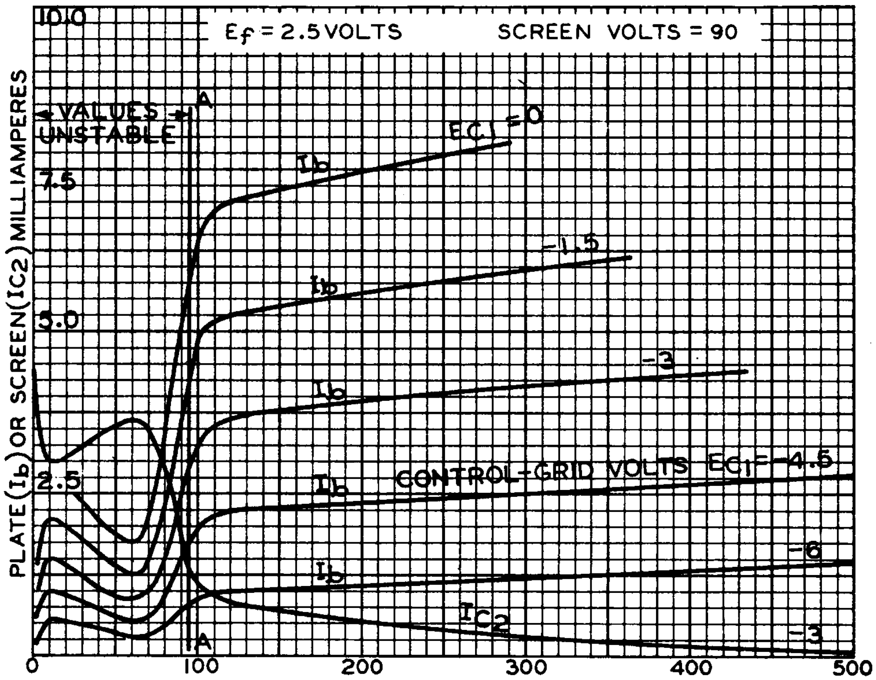


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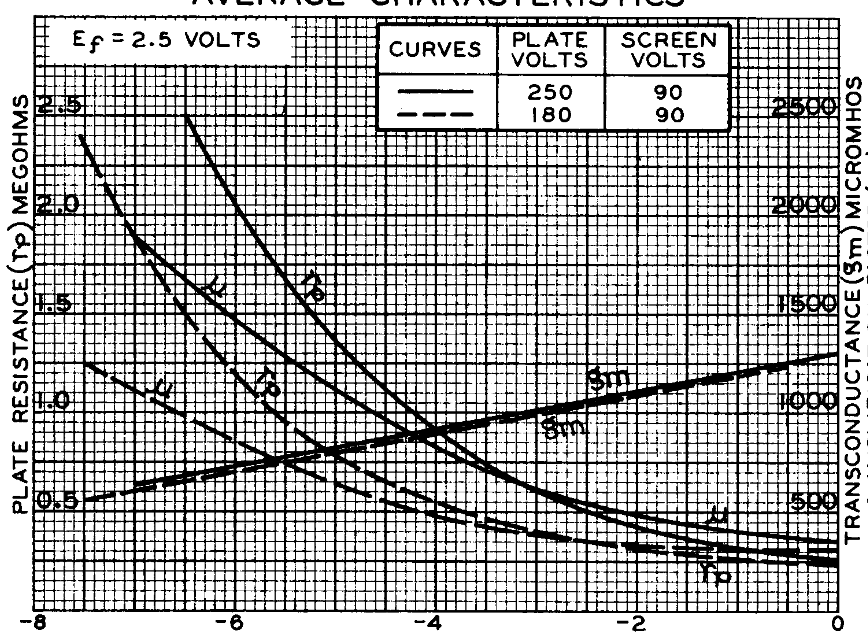
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AVERAGE PLATE CHARACTERISTICS



92S-576R3

AVERAGE CHARACTERISTICS



92S-5219R1

FEB. 14, 1939

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